## **EAST Search History**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	2	("6060113").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/14 20:14
S1	2	("5658802").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/14 08:56
<b>S</b> 2	7449	347/8,16,19,37,47,51,67,81.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 10:46
S3	2097	347/8,16,19,37,47,51,67,81.ccls.and ( (position or locat\$3 or orientation) near2 (sens\$3 or detect\$3 ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 10:49
S4	1	\$3 and ( ((right or ray or beam or beacon) near2 (receiv\$3 or recover\$3 or sens\$3 or captur\$3 or detect\$3)) with ( (under or behind or beneath or opposite or below) near2(substrate or media or medium or paper) ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 10:49
<b>S</b> 5	15	\$3 and ( ((light or ray or beam or beacon) near2 (receiv\$3 or recover\$3 or sens\$3 or captur\$3 or detect\$3)) with ( (under or behind or beneath or opposite or below) near2(substrate or media or medium or paper) ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 10:51
<b>S</b> 6	10385	"347"/\$\$\$.ccls.and ( (position or locat\$3 or orientation) near2 (sens\$3 or detect \$3 ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 13:55
<b>S</b> 7	47	"347"/\$\$\$.ccls.and ( (position or locat\$3 or orientation) near2 (sens\$3 or detect \$3 ))and ( ((light or ray or beam or beacon) near2 (receiv\$3 or recover\$3 or sens\$3 or captur\$3 or detect\$3)) with ( (under or behind or beneath or opposite or below) near2(substrate or media or medium or paper) ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 13:56

<b>S</b> 8	726554	347/8,16,19,37,47,51,67,81.ccls.and ( (position or locat\$3 or orientation) near2 (sens\$3 or detect\$3 ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 14:07
S9	479	S8 and (((light or ray or beam or beacon) near2 (receiv\$3 or recover\$3 or sens\$3 or captur\$3 or detect\$3)) with ((under or behind or beneath or opposite or below) near2(substrate or media or medium or paper)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 14:07
S10	74	"356"/\$\$\$.ccls.and ( (position or locat\$3 or orientation) near2 (sens\$3 or detect \$3 ))and ( ((light or ray or beam or beacon) near2 (receiv\$3 or recover\$3 or sens\$3 or captur\$3 or detect\$3)) with ( (under or behind or beneath or opposite or below) near2(substrate or media or medium or paper) ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 14:38
S11	4	"356"/\$\$\$.ccls.and ( (position or locat\$3 or orientation) near2 (sens\$3 or detect \$3 ))and ( ((light or ray or beam or beacon) near2 (receiv\$3 or recover\$3 or sens\$3 or captur\$3 or detect\$3)) with ( (under or behind or beneath or opposite or below) near2(substrate or media or medium or paper) ) )and (ink \$2jet)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 14:39
S12	19	("4019819"   "4255057"   "4352988"   "4723072"   "4760271"   "4931657"   "5216258"   "5573236"   "5821551"   "5975674"   "6036298"   "6291829"   "6322192"   "6325505"   "6352332"   "6386669"   "6557965"   "6561643"   "6960777").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/14 14:41
S13	55	((position or locat\$3 or orientation) near2 (sens\$3 or detect\$3 ))and (((light or ray or beam or beacon) near2 (receiv\$3 or recover\$3 or sens\$3 or captur\$3 or detect\$3)) with ((under or behind or beneath or opposite or below) near2(substrate or media or medium or paper) ))and (ink\$2jet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 14:48
S14	33	S13 not S7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 14:51
S15	29	S14 not S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 14:52

S16	41	"347"/\$\$\$.ccls. and ( (right or ray or beam or beacon) near2 (inside or in or within) near3 (nozzle or orifice or chamber))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 15:08
S17	12	"347"/\$\$\$.ccls. and ( (right or ray or (beam near light) or beacon) near2 (inside or in or within) near3 (nozzle or orifice or chamber) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 15:10
S18	47	"347"/\$\$\$.ccls. and ( (light or ray or (beam near light) or beacon) near2 (inside or in or within) near3 (nozzle or orifice or chamber) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 15:10
S19	0	( (light or ray or (beam near light) or beacon) near2 (inside or in or within) near3 (nozzle or orifice or chamber) ) and (ink\$1jet\$1head)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 15:40
S20	49	( (light or ray or (beam near light) or beacon) near2 (inside or in or within) near3 (nozzle or orifice or chamber) ) and (ink\$1jet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 15:40
S21	23	\$20 not \$18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/14 15:41
S22	21	("4339208"   "4504880"   "4550327"   "4675696"   "4716421"   "4838717"   "4906846"   "5070410"   "5170047"   "5182577"   "5397192"   "5434602"   "5504507"   "5534895"   "5600350"   "5684523"   "5841448"   "5917534"   "6010206"   "6164748"   "6243109"). PN. OR ("6494563").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/14 15:48
\$23	47	("4894667"   "4947194"   "5006867"   "5023630"   "5148192"   "5164747"   "5166699"   "5175565"   "5221931"   "5367325"   "5371528").PN. OR ("5841448").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/14 16:02
S24	4	("3611077").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/14 16:17

## 3/14/2009 8:25:11 PM

 $\textbf{C:} \ \textbf{Documents and Settings} \\ \ \textbf{My Documents} \\ \ \textbf{EAST} \\ \ \textbf{Workspaces} \\ \ \textbf{10568059-Liq Placing Appar-Head Position Senser.wsp} \\ \ \textbf{My Documents} \\ \ \textbf{EAST} \\ \ \textbf{Workspaces} \\ \ \textbf{10568059-Liq Placing Appar-Head Position Senser.wsp} \\ \ \textbf{My Documents} \\ \ \textbf{EAST} \\ \ \textbf{Workspaces} \\ \ \textbf{10568059-Liq Placing Appar-Head Position Senser.wsp} \\ \ \textbf{My Documents} \\$